

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L3	576	((classif\$4 recogni\$6) near7 (vowel))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/20 13:41
L4	269343	(number total count\$5) near8 (((direction polarity) near5 (switch\$4 chang\$4 revers\$4)) turn\$4 revers\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/20 14:33
L5	269940	(number total count\$5) near8 (((direction polarity slope) near5 (switch\$4 chang\$4 revers\$4)) turn\$4 revers\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/20 14:25
L6	27	I3 and I5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/20 13:42
L7	595	((identif\$5 determin\$5) near7 (vowel))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/20 13:41
L8	43	I7 and I5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/20 14:26
L9	258918	(number total count\$5) near8 (((waveform) near5 (switch\$4 chang\$4 revers\$4)) turn\$4 revers\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/20 14:25
L10	257746	I9 and I5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/20 14:26

L11	26	I9 and I3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/20 14:33
L12	304	(number total count\$5) near8 ((positive) near7 (zero-crossing (zero near4 cross\$3)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/20 14:37
L13	3	I3 and I12	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/20 14:35
L14	2	I7 and I12	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/20 14:36
L15	10	(number total count\$5) near8 ((positive) near7 (zero-crossing (zero near4 cross\$3))) and vowel	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/20 16:02
L16	10	(number total count\$5) near8 ((positive) near8 (zero-crossing (zero near4 cross\$3))) and vowel	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/20 15:51
L17	0	(number total count\$5) near8 ((negative-to-positive) near8 (zero-crossing (zero near4 cross\$3))) and vowel	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/20 15:07
L18	0	(number total count\$5) near8 ((rising) near8 (zero-crossing (zero near4 cross\$3))) and vowel	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/20 15:07

L19	34	((positive negative-to-positive positive-going) near8 (zero-crossing (zero near4 cross\$3))) and vowel	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/20 16:02
L20	1484	(704/251 704/253 704/254 704/236).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/20 15:54
L21	443	(number total count\$5) near8 ((positive) near7 (crossing))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/20 16:03
L22	12	(number total count\$5) near8 ((positive) near7 (crossing)) and vowel	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/20 16:03

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count OR counting OR number

with at least one of the words

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without the words

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'zero crossings" zero-crossing

with at least one of the words

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[Advanced Search](#)[BROWSE](#)[SEARCH](#)[IEEE Xplore GUIDE](#)**OPTION 1**

Enter keywords or phrases, select fields, and select operators

 In All Fields
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 AND In All Fields

 AND In All Fields


» Note: If you use all three search boxes, the entries in the first two boxes take precedence over the entry in the third box.

OPTION 2

Enter keywords, phrases, or a Boolean expression

```
(positive <or> positive-going <or>
negative-to-positive) <and> (zero
crossings <or> zero-crossings) <and>
(vowel)
```

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» Note: You may use the search operators <and> or <or> without the start and end brackets <>.

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